1. (Twice Amended) An image processing apparatus for converting input color data to color component data, having a plurality of color component units, to be outputted by using a color conversion table, said apparatus comprising:

a first storage, arranged to store at least one compressed color conversion table, wherein data of the compressed color conversion table are arranged in order according to a set of grid point numbers in each color component unit;

an expander, arranged to expand the compressed color conversion table; and

a converter, arranged to convert the input color data to the color component data using the expanded color conversion table.

2. (Twice Amended) The apparatus according to claim 1, further comprising a second storage arranged to store the expanded color conversion table.

3. (Not Amended From Previous Version) The apparatus according to claim 1, wherein said converter converts color space.

4. (Not Amended From Previous Version) The apparatus according to claim 1, wherein the color component data includes a black color component.

5. (Twice Amended) The apparatus according to claim 1, further comprising a sorter arranged to sort data included in the expanded color conversion table while a combination of output color components of a grid point is kept.

6. (Twice Amended) The apparatus according to claim 1, further comprising:

an input section, arranged to input a command indicative of print instruction and data indicative of a print medium characteristic; and

a selector, arranged to select one of color conversion tables expanded by said expander in accordance with the data indicative of the print medium characteristic.

7. (Twice Amended) An image processing method of converting input color data to color component data, having a plurality of color component units, to be outputted by using a color conversion table, said method comprising the steps of:

expanding a compressed color conversion table, wherein data of the compressed color conversion table are arranged in order according to a set of grid point numbers in each color component unit; and

converting the input color data to the color component data using the expanded color conversion table.

10. (Twice Amended) The method according to claim 7, further comprising the step of sorting data included in the expanded color conversion table while a combination of output color components of a grid point is kept.

12. (Amended) A data processing method of compressing a color conversion table for converting input color data to color component data, having a plurality of color component units, said method comprising the steps of:

inputting data of the color conversion table where combinations of plural color component data are arranged by grid points;